

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1-29. (Canceled)

30. (New) A polynucleotide comprising:

(1) a nucleotide sequence of SEQ ID NO: 1; or

(2) a nucleotide sequence encoding:

(a) a protein having the amino acid sequence of SEQ ID NO: 2; or

(b) a protein having the amino acid of SEQ ID NO: 2, wherein one amino acid is deleted, substituted or added, and its expression stimulates brassinosteroid biosynthesis; and

(3) a nucleotide sequence comprising nucleotides #51 to #1625 of SEQ ID NO: 3;

or

(4) a nucleotide sequence encoding:

(c) a protein having the amino acid sequence of SEQ ID NO: 4; or

(d) a protein having the amino acid sequence of SEQ ID NO: 4, wherein one a amino acid is deleted, substituted or added, and its expression stimulates brassinosteroid biosynthesis.

31. (New) The polynucleotide of claim 30, wherein the polynucleotide is linked to a promoter in a forward direction.

32. (New) The polynucleotide of claim 30, wherein the polynucleotide is linked to a promoter in a reverse direction

33. (New) A plasmid comprising the polynucleotide of any of claims 31 or 32.

34. (New) A plant transformed with a polynucleotide of claim 30.

PATENT

35. (New) A method for changing the morphology of a plant comprising the steps of:

- (a) transforming a plant with a polynucleotide of claim 30, and
- (b) promoting or suppressing the expression of said polynucleotide.

36. (New) A method for changing the morphology of a plant of claim 31 comprising the step of stimulating the promoter of said polynucleotide and thereby changing the morphology of the transformed plant.

37. (New) A plant with a morphology altered by the method of either claim 35 or 36.

38. (New) A protein mixture comprising:

- (a) a protein having the amino acid of SEQ ID NO: 2; or
- (b) a protein having the amino acid sequence of SEQ ID NO: 2, wherein one amino acid is deleted, substituted or added, and its expression stimulates brassinosteroid biosynthesis; and
- (c) a protein having the amino acid of SEQ ID NO: 4; or
- (d) a protein having the amino acid sequence of SEQ ID NO: 4, wherein one amino acid is deleted, substituted or added, and its expression stimulates the biosynthesis of brassinosteroid.